

FIG 1A

Rat METFTNDRLQLPRNMIENSMFEEEPDVVDLAKEPCLHLEPDEVEYEPGRSRLLVGRGLGE  
Human MEPFTNDRLQLPRNMIENSMFEEEPDVVDLAKEPCLHLEPDEVEYEPGRSRLLVGRGLGE  
\*\*\*:\*\*\*\*\*

Rat HEMDEDEEDYESSAKLLGMSFMNRS SGLRNSATGYRQSPDGTCSVPSARTLVICVFVIVV  
Human HEMEEDEEDYESSAKLLGMSFMNRS SGLRNSATGYRQSPDGACSVPSARTMVCAFVIVV  
\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*.\*\*\*\*\*

Rat AVSVIMVIYLLPRCTFTKEGCHKTNQSAELIQPIATNGKVFPWAQIRLPTAII PQRYELS  
Human AVSVIMVIYLLPRCTFTKEGCHKKNQSIGLIQPPFATNGKLFPAQIRLPTAVVPLRYELS  
\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*.\*\*\*\*\*

Rat LHPNLTSMTFRGSVTISLQALQDTRDIILHSTGHNISSVTFMSAVSSQEKQVEILEYYPYH  
Human LHPNLTSMTFRGSVTISVQALQVTWNIILHSTGHNISRVTFMSAVSSQEKQAEILEYAYH  
\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*.\*\*\*\*\*.\*\*\*

Rat EQIAVVAPESLLTGHNYTLKIEYSANISNSYYGYGITYTDKSNEKKNFAATQFEPLAAR  
Human GQIAIVAPEALLAGHNYTLKIEYSANISSYYGYGFSYTDSENEKKYFAATQFEPLAAR  
\*\*\*:\*\*\*:\*.\*\*\*\*\*:\*\*\*\*\*:\*.\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

Rat SAFPCFDEPAFKATFI IKITRDEHHTALS NMPPKSSVPTEEGLIQDEFSESVKMSTYLVA  
Human SAFPCFDEPAFKATFI IKIIRDEQYTALS NMPPKSSVVLDGLVQDEFSESVKMSTYLVA  
\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

Rat FIVGEMRNLSQDVNGTLVSVYAVPEKIDQVYHALDTTVKLLEFYQNYFEIQYPLKKLDLV  
Human FIVGEMKNLSQDVNGTLVSIYAVPEKIGQVHYALET TVKLLEFFQNYFEIQYPLKKLDLV  
\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

Rat AIPDFEAGAMENWGLLTFREETLLYDNATSSVADRKLVTKIIAHELAHQWFGNLVTMQWW  
Human AIPDFEAGAMENWGLLTFREETLLYDSNTSSMADRKLVTKIIAHELAHQWFGNLVTMKWW  
\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

Rat NDLWLNEGFAFM EYFSVEKIFKELNSYEDFLDARFKTMRKDSLNSSHPISSSVQSSEQI  
Human NDLWLNEGFAFM EYFSLEKIFKELSSYEDFLDARFKTMKKDSLNSSHPISSSVQSSEQI  
\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

Rat EEMFDSLSYFKGASLLLMLKSYLSEDFVQHAII LYLHNHSYAAIQSDDLWDSFNEVTGKT  
Human EEMFDSLSYFKGSSLLLMLKTYLSEDFVQHAVVLYLHNHSYASIQSDDLWDSFNEVTNQI  
\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

Rat LDVKKMMKTWTTLQKGFPLVTVQRKGTELLQLQERFFFSMQPEIQSDTSHLWHIPI SYVT  
Human LDVKKRMKTWTTLQKGFPLVTVQKKGKELFIQGERFFLNMPKPEIQSDTSYLWHIPLSYVT  
\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

Rat DGRNYSEYRSVSLDDKKSVDVINLTEQVQVVKVNTNMTGGYIVHYAHGWAALINQLKRNP  
Human EGRNYSKYQSVSLDDKKS GVINLTEEVLVVKVINNMNGYIVHYADDDWEALIHQLKINP  
:\*\*\*\*\*:\*.\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

Rat YVLSDKDRANLINNI FELAGLGKVPLQMAFDLIDYLRNETH TAPITEALFQTDLIYNLLE  
Human YVLSDKDRANLINNI FELAGLGKVPLKRAF DLINYLGNENHTAPITEALFQTDLIYNLLE  
\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

Rat KLGHMDLSSRLVTRVHKLLQNQIQQQTWTDEGTPSMRELRSALLEFACAHSLNCTTMAT  
Human KLG YMDLASRLVTRVFKLLQNQIQQQTWTDEGTPSMRELRSALLEFACTHNLGNCSSTAM  
\*\*\*:\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

FIG 1B

Rat	KLFDGWMASNGTQSLPTDVMTTVFKVGARTEKGWLF <sup>48</sup> FSMYSSMGSEAEKDKILEALASS
Human	KLFD <sup>48</sup> DWMASNGTQSLPTDVMTTVFKVGA <sup>49</sup> KTDKGWSFLGKYISIGSEAEKNKILEALASS
	****.*****:*** **:. * *:*****:*****
Rat	ADAHKLYWLMKSSLDGDIIRTQKLSLIIRT <sup>50</sup> VGRQFPGHLLAWDFVKENW <sup>51</sup> NKLVHKFHLGS
Human	EDVRKLYWLMKSS <sup>50</sup> LN <sup>51</sup> GDNFRTQKLSFIIRT <sup>52</sup> VGRHFP <sup>53</sup> GHLLAWDFVKENW <sup>54</sup> NKLVQK <sup>55</sup> FPLGS
	*.:*****:***:*****:*****:*****:*****:*** **
Rat	YTIQSIVAGSTHLFSTKTHLSEVQEFFENQSEATLQ <sup>56</sup> LRCVQEAFEVIELNIQWMARNLKT
Human	YTIQNIVAGSTYLFSTKTHLSEVQAFFENQSEATFRLRCVQEAEVIQLNIQWMEKNLKS
	****.*****:***** *****:*****:***:*****:****:
Rat	LTLWL
Human	LTWWL
	** **

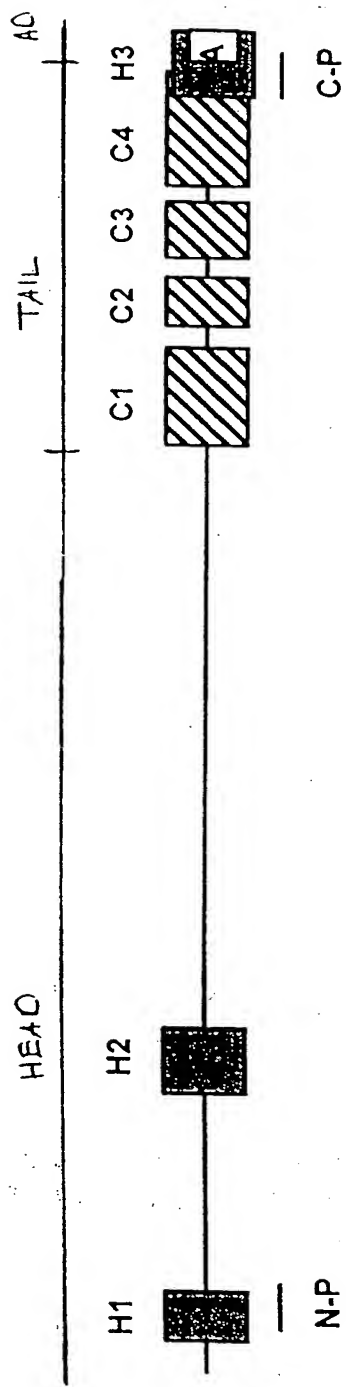


FIG 2

FIG 3A

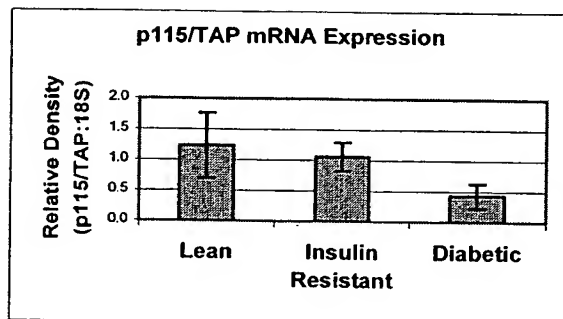


FIG 3B

